

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROCESSES AND PROCEDURES

ca

17

Problems in connection with the chemistry of water purification. R. Bauman. *Izvestiya Teploelektr. Inst.* 1984, No. 7, 117-118. The advantages of a soda-lime treatment of water are discussed. A. A. Borzhinsk

ASB-516 METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROCESSES AND PROPERTIES INDEX

4

Corrosive Action of Nitrous in Lead. I. E. Adadurov and E. A. Bouman
(Zhurnal Prikladnoi Khimii (J. Applied Chem.), 1935, 8, 13-18; C. Abn., 1935, 88, 6709).—[In Russian, with French summary.] The minimum corrosion

caused by nitrous lies at a content of 60-70% sulphuric acid. However, since the average strength of sulphuric acid in the towers is 58°-59° B_e, the corrosive action can only be decreased by decreasing the process temperature and the nitrous content in the individual towers. The greatest nitrous content is observed in the fourth tower having a temperature of 76°-80° C., while the highest temperature is in the third tower, which has a nitrous content of 1.9% nitric acid. This explains the high corrosion effect observed in the second, third, and sometimes in the fourth tower. Consequently, the temperature in the producer and stabiliser must be decreased to at least 90° C. and even lower, whereby the efficiency of the plant is increased considerably. The lead lining can also be saved by increasing the size of the towers. The substitution of lead by iron is strongly recommended for equipment in contact with hot acid, such as the Glover towers and coolers. It is generally recommended to replace lead by iron or other non-corroding metals or alloys of lead in the towers. 5 references are given.—R. G.

METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

CLASSIFY ONE ONLY

CLASSIFY ONE ONLY

BAUMAN, E

1955. Chemical resistance of plastics. E. Bauman. *Nasla* (Yugoslavia), 1955, 6 (4), 119-24.—The chemical resistance of PVC materials furidur D-102 and furidur D-112 was investigated against the influence of various chemicals. The method used enables one to obtain accurate results which can be used in choosing materials for particular industrial applications. The results for a number of chemicals of various concentrations are shown in tables.
(Author's abstract.)

MT 2/2/55

MT 7/2/55

BAUMAN, Ya.A.

Role of the hydrogen bond in the linking of ions to proteins.
vysokom.soed. 2 no.7:1063-1066 J1 '60. (MIRA 13'8)

1. Vinnitskiy meditsinskiy institut.
(Hydrogen bonding) (Proteins) (Complex ions)

BAUMAN, Ye.A.

Mechanism of radiobiological labilization of hemoglobin.
Radiobiologiya 1 no.5:645-649 '61. (MIRA 14:11)

1. Meditsinskiy institut, Vinnitsa.
(HEMOGLOBIN) (RADIATION—PHYSIOLOGICAL EFFECT)

L 10828-63 EWT(m)/BDS/ES(b)---APFTC/ASD---K
ACCESSION NR: AP3000757

S/0020/63/150/003/0668/0670

AUTHOR: Bauman, Ye. A.

TITLE: Mechanism of radiobiological labilization¹⁹ of hemoglobin 52

SOURCE: AN SSSR. Doklady, v. 150, no. 3, 1963, 668-670

TOPIC TAGS: radiobiological labilization, hemoglobin, radiation-diseased animals

ABSTRACT: Authors carried out comparison analyses of the preciseness of the bond of hemo with globin in hemoglobin as well as the strength of the hemo and globin linkage in normal and radiation-diseased animals. The hemoglobin was treated with a quantity of formaldehyde which corresponded to the stoichiometric content of the basic groups in the globin. Blocking the basic groups by formaldehyde increases the activity of the carboxyl groups in the hemoglobin and globin. This causes re-action between the basic albumen groups and formaldehyde. Authors conclude that one of the causes of radiobiological labilization of hemoglobin is the reaction of the carboxyl groups with the products of the radiolysis of water inasmuch as the radiobiological effect of the labilization of hemoglobin is not associated with the action of fermentative systems. Orig. art. has: 2 tables.

Card 1/21

1. BAUMANA, N. YE., Prof.; KNORRE, G. F.
2. USSR (600)
4. Steam Boilers
7. Fire and water, Tekh. molod., 21, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

BAUMANE, MIRDZA KRISTAPA

"M. Galvinkapoti. Riga, Latvijas valsts izdevnieciba, 1957. 49 p.
(White cabbage)."

DA

Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

Delay of roting (in storage) of potatoes by maleic hy-
drazide. E. Dunkels, E. Baumanis, and T. Smelters.
Latvijas PSR Zinatņu Akad. Vēstis 1955, No. 7, 105-12 (in
Russian; Latvian summary).—Potato plants were sprinkled
with soln. of maleic hydrazide (I), with a detergent, at a
rate of 1.5-2 kg. in 1000 l. H₂O per ha. one month before
the collection of crop. Of the tubers collected 92-96% could
be stored until the next season without developing sprouts,
and were suitable for all purposes except seeding; I did not
prevent budding of the sprouts, but arrested their further
growth. The wt. and starch loss in storage was decreased
by a factor of 2-3, vitamin C content was preserved, and
metabolism during the storage was slowed down. A. D.

Med 3

BAUMANIS, E.

GENERAL

PERIODICALS: VESTIS, No. 5, 1958

BAUMANIS, E. Obtaining 2-nitroindandione- 1,3. In Russian. p. 101

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

GRINSHTEINS, V. [Grinsteins, V.] (Riga); BAUMANIS, E. (Riga)

N-alkyl and N-acyl derivatives of cyanoacetic acid hydrazide. Vestis
Latv ak no.2:107-112 '60. (EEAI 10:1)

1. Akademiya nauk Latvyskoy SSR, Institut organicheskogo sinteza.
(Alkyl groups) (Acyl groups)
(Cyanoacetic acid) (Hydrazides)

GRINSHTEYN, V. [Grinsteins, V.] (Riga); YUKNA, R. [Jukna, R.] (Riga);
BAUMANIS, E. (Riga)

Hydrazides of cyandicarboxylic acids and their derivatives. Vestis
Latv ak no.11:107-112 '60. (EKAI 10:9)

1. Akademiya nauk Latvyskoy SSR, Institut organicheskogo sinteza.

(Hydrazides) (Cyano carboxylic acids)
(Dicarboxylic acids)

BAUMANIS, E.

Fiftieth birthday of Voldemars Grinsteins. Vestis Latv ak no.8:139-140
'61.

MEDNE, K.; GRINSHTEYN, V. [Grinsteins, V.]; LAVRINOVICH, E. [Lavrinovics, E.];
BAUMANIS, E.

Study of [the effect of] some derivatives of cyanocarboxylic acids
on tuberculostatic activity and its dependence on the chemical
structure of the compounds. Vestis Latv ak no.4:131-138 '62.

1. Institut organicheskogo sinteza AN Latvyskoy SSR.

GILLER, S.A., akademik; BAUMANIS, E.A.; SOKOLOV, G.P.; GRINSHTEYN, V.Ya.

Synthesis and antimonocamine oxidase activity of alkyl hydrazides of
3-pyridazine carboxylic acid. Dokl.AN SSSR 145 no.2:440-442 J1
162. (MIRA 15:7)

1. Institut organicheskogo sinteza AN Latvyskoy SSR. 2. Akademiya nauk Latvyskoy SSR (for Giller).
(Amine oxidase) (Hydrazides) (Pyridazinecarboxylic acid)

BAUMANIS, E.; GRINSHTEYN, V. [Grinsteins, V.]

Dependence of antimonoamino oxidase activity of derivatives of
cyanocarboxylic acid hydrazides on their chemical structure.
Izv. AN Latv. SSR no. 2:79-84 '63. (MIRA 16:4)

1. Institut organicheskogo sinteza AN Latvyskoy SSR.
(Amino oxidase) (Hydrazides) (Cyano compounds)

MISKI, Karoly, okleveles vegyeszmernok; BAUMANN, Jozsef; BUNYITAI, Janos, dr.; MORY, Bela, dr.; GALAMBOS, Istvan

Significance of the hydrocarbon-based town gas production in Hungary. Energia es atom 17 no.1:15-17 Ja'64.

1. Vegyimuveket Tervezo Vallalat (for Miski). 2. Soproni Gazgyar (for Baumann). 3. Orszagos Koolaj- es Gazipari Troszt (for Bmyitai). 4. Szegedi Gazgyar (for Galambos).

BIRO, Istvan.; BAUMANN, László.

Problem of disseminated primary malignant tumors. Kiserletes
orvostud. 7 no.3:329-332 May 55.

1. Szabolcs utcai Allami Korhas Korbonctani es Korszozettani
Intezete es Rontgenosztalya.

(NEOPLASMS,

primary cancer originating in various organs simultaneously)

BAUMANN L.
L. RADIOL. Sec. II Vol. 11/12 Radiology Dec 57

2178. LÖRINC P. and BAUMANN L. Roentgen Inst., State Hosp., Budapest.

*Advantages and disadvantages of the modification of the intravenous cholangiocholecystography by N. H. Aldridge GASTROENTEROLOGIA (Basel) 1956, 85/1 (27-32) Illus. 3

The modifications of the biligradin examination suggested by Aldridge, i.e. a fatty meal before examination and the administration of morphine in order to shorten the time of cholecystography, have beside their advantages also certain drawbacks. The roentgen symptoms of occasional functional disorders of gallbladder and biliary ducts may become obscured by the preceding fatty meal and the morphine effect, whereby erroneous conclusions may be drawn. The modifications of Aldridge should not be applied without taking these drawbacks into consideration.

BAUMANN, M.

Distr: 4E2b(v)/4E3c 2 cys

3
1-RS
3

Tube Heat Exchangers²¹. Mirko Baumann (Výzk. ústav chem. zařízení, Prague).
Chem. průmysl 9, 632-5(1959).--Equations are derived for the no. of tubes placed in
a circular tube sheet for the case of the rhombic arrangement of tubes, i.e., tubes
placed on apexes of equilateral triangles and 1 tube on the axis of the exchanger.
P. Čefelín

(Retyped Clipped Abstract)

cas

Card 1/1

8/035/62/000/010/126/128
A001/A101AUTHOR: Baumann, Martin

TITLE: A method and a device for determination of point positions at direct and side intersections and resection

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 45 - 46, abstract 10G243 P (Czechosl. patent, cl. 42c, 10/03, 11/04, no. 98441, February 15, 1961)

TEXT: The device (Figures 1 and 2) consists of a pin attached to the carriage of a polar coordinatograph and transparent rule 5 on the bottom part of which straight line 6 is engraved. The rule is coupled with the pin by means of hinge 7 which permits the rule to turn in the necessary sense. The pin is provided with attachment screw 2 and regulating screw 3, as well as with a microscope with a reticule and a prism or mirror 4. To find the position of a point determined by direct intersection, the coordinatograph with the device described is centered on point S_1 (Figure 3), the zero direction is oriented towards point S_2 , and the difference of measured angles α and β is marked on the degree scale.

Card 1/2

A method and a device for...

S/035/62/000/010/126/128
A001/A101

The carriage of the coordinatograph is still in the zero position. Then angle α is fixed and, upon unfastening the carriage, it is shifted until point S_2 is seen in the microscope visual field. This guidance to the point is performed by the carriage micrometric screw. The position of the point being determined, P, is marked by the pin. The similar procedure is used also for a side intersection. In resection, the coordinatograph is centered on one of the given points, then the Collins auxiliary point is found by direct intersection, using the second given point and, at last, the position of the point being determined is found using the Collins point and the third given point.

N. Modrinskiy

[Abstracter's note: Complete translation]

Card 2/2

BAUMANN, M.; BLICKLE, T.; GUBA, F.

Polymerization of actin. Acta physiol. hung. Suppl. no.6:70-71 1954.

1. Elektronmikroskopische Abteilung des Instituts für Instrumenten-
und Messtechnik der Ungarischen Akademie der Wissenschaften,
Budapest.

(MUSCLE PROTEINS
actin, polymerization)

BARANYAI, Pal.,; BAUMANN, Miklos.,; FISCHER, Antal.,; JAKAB, Mihaly.,;
LAMB, Gyorgy.,; ROTH, Bela.

Comparative investigations on serum and urine proteins in
nephrosis. *Magy. belorv. arch.* 8 no.2:48-54 Apr 55.

1. A Budapesti Orvostudományi Egyetem III. sz. Belklinikájának
(igazgató: dr. Gomori Pal egyetemi tanár) a M.T. Akadémia
Méréstechnikai Intézet Elektronmikroszkopiai Laboratóriumának
(vezető: dr. Guba Ferenc) és az Országos Élelmezéstudományi
Intézet (igazgató: dr. Tarján Robert) közleménye.

(NEPHROSIS, metabolism in,
blood & urine proteins)

(BLOOD PROTEINS, in various diseases,
nephrosis)

(URINE,
proteins, in nephrosis)

(PROTEINS, in urine,
in nephrosis)

BAUMANN, M.; JAMBOR, B.; BAAN, E.

Polarographic investigation of muscle proteins. In German. p. 319. (Acta Chimica, Vol. 9, No. 1/4, 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Applications. Nitrogen Industry.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12338.

Author : ~~Baumann, Mirko~~, Misek, Tomas.

Inst : Not given.

Title : Ammonia Synthesis Columns.

Orig Pub: Chem. prumysl, 1958, 8, No 5, 229-233.

Abstract: A graphic method is cited for calculating the contact area of a synthesis column (SC), for a method of calculating the kinetics, material and thermal equilibrium. SC of different types are compared; the work of SC is described with several layers of a catalyst and the influence of different parameters of synthesis on the production as a whole is considered. Bib. 13 titles. -- From the authors' resume.

Card 1/1

24

BAUMANN, M.
BARANYAI, P.; BAUMANN, M.; FISCHER, A.; JAKAB, M.; LAMM, G.; ROHNY, S.

Pathological protein permeability. II. Urinary proteins in nephrosis.
Acta med. hung. 11 no.3:381-391 1958.

1. III. Medizinische Klinik der Medizinischen Universität, Elektronmikroskopisches Laboratorium der Ungarischen Akademie der Wissenschaften, und Institut für Ernährungswissenschaft, Budapest.

(NEPHROSIS, urine in
protein content (Ger))

(PROTEINS, in urine
in nephrosis (Ger))

BARNA, Sandor; BAUMANN, Miklos

Recent data regarding the significance of thyroid hormonal fractions.
Orv.hetil. 101 no.33:1162-1163 14 Ag. '60.

1. X der. Egeszseghaz es a N.T.A. Muszaki Fizikai Kutato Intezete
(HYPERTHYROIDISM blood)
(THYRONINE blood)
(THYROXIN blood)

L 12241-63

S/271/63/000/004/029/045

AUTHOR:

Baumann, Martin

44

TITLE:

A device for program control by number of revolutions, on machines with automatic choice of direction of rotation

PERIODICAL:

Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 83, abstract 4A496 (Czechosl. pat., kl. 2lc, 46/54, no. 101991, 15.12.61)

TEXT

The text describes a patented device which contains, for each numerical column, a revolution-counter and a special "selector shaft" with three contacts (plus, minus, and minus from a second source). Along these contacts slides the contact which is on the shaft of the revolution-counter, joined with the windings of two polarized relays (one controls the choice of direction of rotation, the other stops the motor). The "selector shaft", established in the necessary position by use of a keyboard or by a program on perforated cards, gives the required number of revolutions. When the counters for all columns fix the assigned number, their contacts are closed with those of the selector shafts, and the motor is stopped by the relay. At the same time relays are engaged which control the cut-off of the

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L 12241-63

8/271/63/000/004/029/045

A device for program

counters and selector shafts, by introduction of the next perforated card and setting of the device for repetition of the working cycle. There are two illustrations. I. M.

[Abstractor's note: Complete translation]

dm/ar
Card 2/2

TOMKA, Imre, dr.; BAUMANN, Piroška, dr.

Some electrographic characteristics of patients with meningioma.
Ideggyogy. szemle 14 no.12:372-382 D '63.

1. Országos Idegsebészeti Tudományos Intézet (Igazgató: Zoltan
László dr.) Budapest.

(MENINGIOMA) (FRONTAL LOBE) (OCCIPITAL LOBE)
(TEMPORAL LOBE)

TOMKA, Imre, dr.; NAGY, Vilmos, dr.; BAUMANN, Piroska, dr.

On the mechanism of the decreasing EEG-focus. Ideggyogy.
szemle 17 no.4:109-118 Ap'64.

1. Az Orszagos Idegsebészeti Tudományos Intezet (Igazgato-
forvos: Zoltan, Laszlo, dr.) közleménye.

*

NIKECZ, Istvan; KAMOCSA, Sandor; FLESCH, Gyorgy; BANHAZI, Gyula; BANOCZY, Gyorgy; NAGY, Karoly; KUNFFY, Zoltan, dr.; KOLLER, Kalman; BAUMANN, Pal; KRAKOWIAK, Sztaniszlaw (Varso, Lengyelorszag); FUTO, Istvan; SZABO, Jozsef; FERENCZI, Bela; TIBOLD, Vilmos, dr.; FUCHER, Odon; KOVACS, Laszlone; UDVARDI, Kornel

Discussion held in the field of "Rural electrification."
Villamossag 8 no. 4/6:153-156 My-Je '60.

1. "Villamossag" szerkeszto bizottsagi tagja (for Banoczy).

BAUMANN, Piroska, dr.; GAL, Kamill, dr.; KARDOS, Gyorgy, dr.

Experimental studies on increasing the penicillin permeability of the hemato-encephalic barrier. Ideg. szemle 8 no.5:144-147 Oct 55.

1. A Robert Karoly korati fovarosi korhas (igazgato: Krassnai Ivan dr.) noi ideg es almosztalyanak (foorvos: Angyal Lajos dr., az orvostudomanyok kandidatusa) es az Orszagos Kosegessegugyi Intezet (igazgato: Havas Andras dr.) Bakteriologiai Ossztalyanak (osztalyveseto: Furess Istvan dr.) koslemenye.

(HEMATO-ENCEPHALIC BARRIER, physiol.

permeability to penicillin in neurosyphilis ther. in normal cond. & under eff. of fever & various drugs. (Hun))

(PENICILLIN

permeability of hemato-encephalic barrier in neurosyphilis ther. in normal cond. & under eff. of fever & various drugs. (Hun))

(NEUROSYPHILIS, ther.

penicillin, hemato-encephalic barrier permeability to, determ. in normal cond. & under eff. of fever & various drugs.. (Hun))

GORECZKY, László, VAJDA, Gyula; BAUMANN, Piroška

Effect of reserpine-induced autonomic tonus on immunologic properties of the serum. Kiserletes Orvostudomány II no.4:433-436 August 1959.

1. MAV Kórház és Kózponti Rendelő Intézet laboratóriuma és ideggyógyászati osztálya.

(RESERPINE, pharmacol)

(COMPLEMENT, pharmacol)

BAUMANN, Piroska, dr.; SIMON, Laszlo, dr.

Some data on the differential diagnosis of endotoxic tremors and their modifications. Ideggyogy. szemle 14 no.11:324-327 N '61.

1. Országos Idegsebészeti Tudományos Intézet (Igazgató: Zoltán László, dr.)

(TREMOR diag)

BAUMANN, R., prof.

Problem of treating diabetes with hypertension. Terap. arkh.
30 no.3:22-29 Mr '58.

(MIRA 11:4)

1. Glavnyy vrach 1-y meditsinskoy kliniki gorodskoy bol'nitsy i
direktor Nauchno-issledovatel'skogo instituta kortiko-vistseral'noy
patologii i terapii, Berlin-Bukh.

(DIABETES MELLITUS, complications,
hypertension, ther. (Rus)

(HYPERTENSION, compl.

diabetes mellitus, ther. (Rus)

BAUMANN, S., Bialek, H.

Regulating work by the method of instantaneous observations. p. 245.
(SZKLO I CERAMIKA. Vol. 8, no. 9, Sept. 1957, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

SZULYOVSKY, Andor, tudományos kutató; BAUMANN, Sándor, tervező

Silicothermal magnesium refining furnaces and their operation.
Koh lap 97 no. 2:88-93 F '64.

1. Research Institute of the Metal Industry, Budapest (for Szulyovszky). 2. Aluminum Industry Designing Enterprise, Budapest (for Baumann).

Dauman, J.

... a
... with a
... of an electrode
... as an example of the versatility
of the method

10.

BAUMANN, TIBOR

9119* New Method for the Microscopic Observation
of the Corrosion of Metals in Aqueous Solutions
by Electrochemical Methods. *Electrochimica Acta*,
1964, Vol. 9, No. 1, p. 1-10. (English)

ef

BAUMANOVSKAYA, A.P.

OSTROUKHOVA, N.P.; VOLOSTNYKH, A.V.; GRECHUSHKINA, A.G.; BAUMANOVSKAYA, A.P.
MESHCHERYAKOVA, Z.P.

Supplementary methods of laboratory diagnosis of bacillary dysentery.
Zhur.mikrobiol.epid. i immun. 29 no.2:92-95 P '58. (MIRA 11:4)

1. Iz laboratorii dorozhnoy sanitarno-epidemiologicheskoy stantsii
Tomskoy zheleznoy dorogi.

(DYSENTERY, BACILLARY, diagnosis,
laboratory supplementary methods (Rus))

ACC NR: AP6018016

SOURCE CODE: UR/0413/66/000/010/0152/0153

INVENTOR: Baumbakh, Kurt; Lesser, Knerbert; Mlyaynek, Klaus

ORG: None

TITLE: Ratchet wheel for contact-type electric watches and small clocks. Class 83, no. 182058

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 152-153

TOPIC TAGS: timepiece, clock, miniature electric equipment

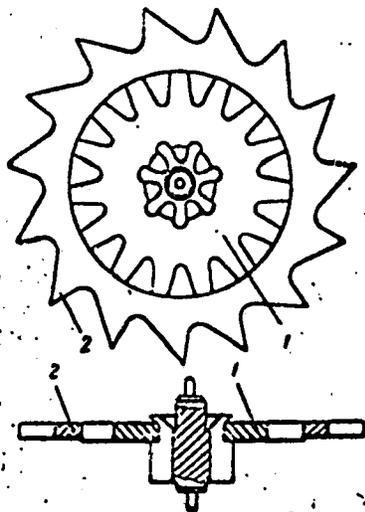
ABSTRACT: This Author's Certificate introduces: 1. A ratchet wheel for contact-type electric watches and small electric clocks, principally for wrist watches. The unit is made in the form of a stop wheel and contact wheel coupled to a pinion. The contact wheel has a pawl and is considerably larger in diameter than the stop wheel. The thickness of this entire assembly is reduced by pressing the stop wheel, which is fixed by a magnet, into a rim with ratchet teeth. The thickness of this rim is equal to or less than that of the stop wheel. The basic material of the contact wheel is silver, while the stop wheel is made from a magnetically soft material. The stop wheel has radial teeth which are mainly trapezoidal in profile. 2. A modification of this wheel made from a nonmagnetically soft material and equipped

Card 1/2

UDC; 621.34:681.112.2

ACC NR: AP0015016

with ratchet teeth which are restrained by a mechanical stopper, preferably by a check spring.



1—stop wheel; 2—ratchet rim

SUB CODE: 13/ SUBM DATE: 14May63

Card 2/2

Name : BAUMBERG, I. D.

Remarks : I. D. BAUMBERG and A. M. CHKHETIYA are the authors of an article on a variable-speed pulse recorder developed by the Laboratory of Cosmic Rays of the Institute of Geophysics of the Georgian SSR for recording radiation of variable intensity (radioactive, cosmic, and x-ray).

Source : P: Akademiya Nauk Gruzinskoy SSR. Soobshcheniya (Gruzinskaya SSSR Academy of Sciences. Reports) #2, 1961, pp. 167-174. [P].

61

BAUMBERG, I.D.; CHKHETIYA, A.M.

Variable-speed pulse recorder. Soob.AN Gruz.SSR 26 no.2:167-
174 '61. (MIRA 14'4)

1. AN Gruzinskoy SSR, Institut khimii im. P.G.Melchkishvili i
Institut geofiziki. Predstavleno akademikom V.V.Makhaldiani.
(Nuclear counters)

23863
S/123/61/000/010/012/016
A004/A104

1.5000

AUTHOR: Baumberg, I. D.

TITLE: Radio-indicating method of determining the angle of shift of tagged sections of bodies of revolution

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 10, 1961, 5, abstract 10Zh41 (Tr. Gruz. politekhn. in-t", 1958 (1959), no. 1 (62), 149-156 [Georgian summary];

TEXT: The author describes a method of determining and continuous control of the magnitudes of shift of sections on parts of revolution and units of assemblies tagged by radio-active substances. Two groups of conjugate radio-active marks, scattered over a basic distance along the axis of revolution are applied to the surface of the body of revolution being checked. The radio-active marks of each group are separated by equal angular intervals. The radiation emitted by the radio-active marks is recorded with the aid of receivers (one receiver for each group of radio-active marks) connected according to a circuit of double coincidence. It is proved that during the rotation of the body the number of double coincidences is a function of the angle of shift of the conjugate radio-active

Card 1/2

23863

Radio-indicating method of determining ...

3/123/61/000/010/012/016
A004/A104

marks. β -emitters of continuous action are recommended as material to apply the radio-active marks. Experimental checking of the method was carried out with two steel cylinders 50 mm in diameter on whose surface two pairs of conjugate radio-active marks were applied. Rectangular radio-active marks of 20 x 1.7 mm of uranyl nitrate rubbed in enamel lacquer were applied to the cylinder surface with the aid of a stencil. Both cylinders were mounted on a common shaft rotated by a motor, one of the cylinders being fitted tightly while the other was mounted with any angular shift. Two end counters of the MCTP-4 (MSTR-4) type, enclosed in a screen with slit apertures and connected to a double coincidence circuit, were used as radiation receivers, both counters being placed perpendicular to the shaft axis of revolution. Three tests series were carried out to determine the dependence of the number of double coincidences on the angle of shift between the conjugate marks. The test results proved the possibility of determining by this method the angle of shift of tagged sections on bodies of revolution. The author points out the advantages of the suggested method over the existing ones for analogous measurements. There are 7 figures.

V. Merkulov

[Abstractor's note: Complete translation]

Card 2/2

L 34814-65 EWT(1)/EWA(h) Feb
ACCESSION NR: AP5007465

S/0286/65/000/004/0084/0084

AUTHOR: Baumberg, I. D.

TITLE: Device for measuring the mean frequency of a statistically distributed pulse sequence. Class 42, No. 168524

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 84

TOPIC TAGS: pulse integrator, frequency meter 25

ABSTRACT: This Author Certificate presents a device for measuring the mean frequency of a statistically distributed pulse sequence. To extend the dynamic region and to cycle the measuring device scale, the pulse source is connected to two banks of diode integrators with increasing measuring capacitance (see Fig. 1 on the Enclosure). The even integrators are connected in the forward direction and the odd in the reverse direction. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 02Mar63

ENCL: 01

SUB CODE: EC

NO REF SOV: 000
Card 1/2

OTHER: 000

L 34814-65

ACCESSION NR: AP5007465

ENCLOSURE: 01

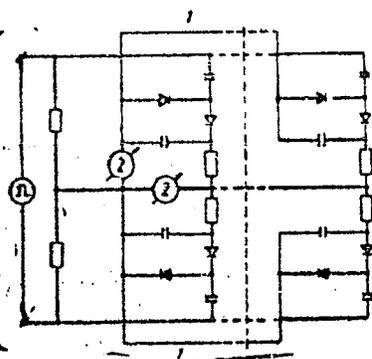


Fig. 1. Device for measuring the mean frequency of a pulse sequence

1- integrators; 2- microammeters

Card 2/2

BAUMELT, Bohuslav
BAUMELT, Bohuslav, Dr.

Neurological and psychic disorders in cardiac patients. Prakt. lek.
Praha 34 no.7:148-151 5 Apr 54.

1. Ceske Budejovice.
(HEART DISEASE, complications
*neurolog. psychic disord.)
(NEUROSES, etiology and pathogenesis
*heart dis.)
(PSYCHOSES, etiology and pathogenesis
*heart dis.)

Baumelt, F.

Simple method for calculation of reinforcement load with shearing force. p. 290. INZENYRSKE STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 4, no. 6, June 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

BAUMGART, K.K., prof.

Academician A.A. Lebedev, professor at Leningrad University and
1947 Stalin Prize winner. Vest. LGU 2 no.8:117-118 Ag '47.

(MIRA 1219)
(Lebedev, Aleksandr Alekseevich, 1893-)

BAUMGART, K. K.

Baumgart, K. K. "Academician Dmitriy Sergeyevich Rozhdestvenskiy, (Physicist, 1876-1940)," Fizika v shkole, 1948, No. 6, p. 14-20

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

1. BAUMGART, K. K. (Prof.)
2. USSR (600)
4. Physics and Mathematics
7. Guide to Practical Occupations in Physics, T. N. Bogdanova and Ye. P. Subbotina. Professor K. K. Baumgart, editor. (Part I, 1949; Part II, 1950. Moscow, "Soviet Science.") Reviewed by I. A. Yakovlev, Sov. Kniga, No. 9, 1951.

9. ~~Report~~ Report U-3081, 16 Jan. 1953, Unclassified.

BAUMGART, K. K., LENTS, Ye. Kh., BERG, L. S. and KRAVETS, T. P.

"Selected Works" of Ye. Lh Lents, edited and annotated by T. P. Kravets.
Articles by K. K. Baumgart, L. S. Berg and T. P. Kravets. Izd-vo Akademii Nauk SSSR,
521 pp, 1950.

BAUMGART, PROF.K. K.

Khvol'son, Orest Danilovich, 1852-1934

Professor O. D. Khvol'son, an outstanding physicist.
Elektrichestvo no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

BAUMGART, K.K.

"Course of general physics, volume 1 (Physical bases of mechanics,
Molecular physics. Oscillations and waves)" by S.E. Frish, A.V.
Timoreva. Reviewed by K.K. Baumgart. Vest. LGU 8 no.2:127-128
F '53. (MIRA 12:7)
(Physics--Textbooks) (Frish, S.E.) (Timoreva, A.V.)

BAUMGART, K., professor.

Academician Emilii Khristianovich Lents, 1804-1865; sesquicentennial
of his birth. Vest.Len.un.9 no.5:207 My '54. (MLBA 9:7)
(Lents, Emilii Khristianovich, 1804-1865)

RADOVSKIY, M.I.; BAUMGARDT, K.K., professor, otvetstvennyy redaktor;
MEDVEDEV, M.V.; redaktor izdatel'stva; ARONS, P.A., tekhnicheskii
redaktor

[Aleksandr Stepanovich Popov; a biographical sketch] Aleksandr
Stepanovich Popov; biograficheskiy ocherk. Moskva, Izd-vo Akademii
nauk SSSR, 1956. 205 p. (MIRA 9:9)
(Popov, Aleksandr Stepanovich, 1859-1906)

~~BAUMGART, K.K.~~
RADOVSKIY, M.I.; BAUMGART, K.K., prof, otvetstvennyy red.; PERMINOV, S.V.,
red.isd-va; SMIRNOVA, A.V., tekhn.red.

[Aleksandr Stepanovich Popov in characterizations and in the
recollections of his contemporaries] Aleksandr Stepanovich Popov
v kharakteristikakh i vospominaniyakh sovremennikov. Mvksa, 1958.
454 p. (MIRA 11:5)

1. Akademiya nauk SSSR, Institut istorii estestvoznaniya i tekhniki.
(Popov, Aleksandr Stepanovich, 1859-1906)

RADOVSKIY, Moisey Izrailevich; BAUMGART, K.K., prof., otv.red.; PERMINOV,
S.V., red.izd-va; PEVZNER, R.S., tekhn.red.

[Aleksandr Stepanovich Popov; on the centenary of his birth]
Aleksandr Stepanovich Popov; k stoletiu so dnia rozhdeniia.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 234 p. (MIRA 12:4)
(Popov, Aleksandr Stepanovich, 1859-1906)

BERNOLLI, Daniil [BERNOULLI, Daniel]; GOKHMAN, V.S. [translator]; NEKRASOV, A.I.; akademik, red.; BAUMGART, K.K., prof., red.; ZAYCHICK, N.K.; red.isd-va; MELNYKH, N.Yu., tekhn.red.

[Hydrodynamics or notes on the forces and movements of fluids]

Gidrodinamika ili zapiski o silakh i dvizheniakh zhidkosti.

[Translated from the Latin] Isd-vo Akad.nauk SSSR, 1959.

550 p.

(MIRA 12:2)

(Fluid mechanics)

LACHOWSKI, Jerzy; BAUMGART, Kazimierz

Results of experiments on spacing of plants of two fodder beet varieties. Rocznik nauki rolniczej 82 no.4:897-920 '61.

SIMEONOV, S.; BAUMGART, V.

Distribution of the sparrow *Passer hispaniolensis hispaniolensis*
(Temminck) in Bulgaria. Priroda Bulg 11 no.5:94-95 S-0 '62.

SIMEONOV, S. D.; BAUMGART, V.

Methods of studying the food of diurnal rapacious birds and
owls. Priroda Bulg 12 no. 5: 95-98 S-0 '63.

BAUMGARTS, V.F.

V.F. BAUMGARTS is the author of a book, "PORTABLE RURAL RADIO EQUIPMENTS". (1952, 40 pages. Price 1.00 ruble.)

Portable radio receivers are very convenient for rural conditions. These transmitters can be successfully used for mass agitation and cultural and educational work in field conditions. The booklet describes the plan and structure of a portable five-tube superheterodyne battery receiver with acorn vacuum tubes, which can be constructed independently by the average radio amateurs. The booklet gives also instructions regarding the tuning and adjustment of these receivers, as well as information concerning their shifting in practical conditions of their use.

SO: 2110257 Air, D1, ATIC, F-Ts-3005, Oct. '52. (New Books; People's Radio Library; Chief Editor A.I. Berg; "Gosenerg" Publishing House; Moscow-Leningrad)

L 63611-65 EWI(m)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5017170

UR/0197/65/000/006/0067/0078

AUTHOR: Baumgart, V.

TITLE: Characteristics of alloyed germanium transistors as switches in high-frequency circuits

SOURCE: AN LatSSR, Izvestiya, no. 6, 1965, 67-78

TOPIC TAGS: germanium transistor; alloyed germanium, transistor switch, high frequency circuit, contactless switch, switching circuit

ABSTRACT: During the automation of the controls of electronic equipment, it is often necessary to switch high-frequency current circuits by means of contactless electronic devices. Tests showed that this problem can be successfully solved using alloyed germanium transistors. The operation of such transistors during closed key operation was described in an earlier paper (Izv. AN Latv. SSR, Riga, 1964, 12). The present article discusses the open key operation. In switching circuits where a low differential resistance of the key is required, it is expedient to use symmetrical alloyed-junction germanium transistors. By a suitable selection of the base width, it is possible to compensate, in the fre-

Card 1/2

16
15
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L 63511-55

ACCESSION NR: AP5017170

quency range up to 20-30 Mc, the effects of the inductance of the connections and of alterations in the effective area of the emitter and collector on the full resistance of the AC key. When closed, these transistor keys possess a transfer capacity of 3-8 pF. In circuits where a very low transfer capacity is required and the value of the differential resistance of the locked key is of no particular significance, it is expedient to use pulsed diodes. Utilization of plane transistors as keys is also possible in high-frequency voltage code converters in digital automatic devices. Orig. art. has: 52 formulas and 8 figures.

ASSOCIATION: Institut elektroniki i vychislitel'noy tekhniki AN Latv. SSR
(Institute of Electronics and Computer Technology, AN Latv. SSR)

SUBMITTED: 12Mar65

ENCL: 00

SUB CODE: EC, DP

NO REF SOV: 004

OTHER: 001

Card

llc
2/2

VYSOTSKIY, R.Ya.; BAUMGART, Y.F.

Apparatus for the direct photometry of lipid electrophoregrams.
Vop.med.khim. 5 no.5:377-380 S-0 '59. (MIRA 13:2)

1. Chair of Pathophysiology, Riga Medical Institute.
(LIPIDS chem.)
(ELECTROPHORESIS equip. & supply)

L 8523-66

ACC NR: AT5027520

SOURCE CODE: UR/2690/65/008/000/0061/0069

AUTHOR: Baumgart, V. F.

51
B-1

ORG: Institute of Electronics and Computer Technology AN LatSSR, Riga (Institut elektroniki i vychislitel'noy tekhniki AN LatSSR)

TITLE: Low frequency attenuator with pulsed control

SOURCE: AN LatSSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy, v. 8, 1965. Avtomatika i vychislitel'naya tekhnika, 61-69

TOPIC TAGS: pulse code modulation, circuit design, switching circuit, germanium transistor, circuit theory

ABSTRACT: This article describes a pulse-control attenuator used to secure amplitude constancy of LF signals. A discussion of AC pulsed control attenuator action is followed by a description of series-connected germanium alloy transistor switching elements used in the design. Experimental tests show that the use of a self-correcting code reduces by one half or two thirds the probability of incorrect input signal sampling as compared with that of binary code. However, this gain is at the expense of an increase in circuit complexity which is not always acceptable. In the case of the binary code the maximum of the probability distribution curve is also shifted toward the lower values. The frequency dependence of the experimental attenuator under study did not exceed 0.5 db in the 20 - 20,000 cps region. Orig. art. has: 5 formulas, 4 figures, and 2 tables.

SUB CODF: EC / SUBM DATE: 00 / ORIG REF: 003

UDC: 621.317.727.4

Card 1/1 (u)

L 7019-65 EWT(d)/EEC(k)-2/EEC-4 Pg-4/Pk-4/Pl-4/Po-4/Pq-4 ASD(a)-5/AFWL/RAEM(t)

ACCESSION NR: AP4045122

S/0286/64/000/014/0025/0026

AUTHOR: Baumgart, V. F.; Grundulis, A. O.; Ivans, A. V.

TITLE: Device for measuring the current gain of transistors. Class ^B
21, No. 164036

SOURCE: Byul. izobr. i tovar. znakov, no. 14, 1964, 25-26

TOPIC TAGS: transistor, transistor current, transistor current gain,
transistor current gain measurement *gm*

ABSTRACT: This Author Certificate introduces a device for measuring the current gain of common-emitter transistors. The device contains power supply sources connected through resistors to the base and the collector of the transistor under study and a base current meter connected to this transistor. In order to facilitate the automation of the measuring processes, an oscillator of linearly variable voltages serves as the supply source for the base circuit, while comparator circuits connected to the transistor base and collector circuits serve as the base current meter. The comparator circuits are also connected to the electronic switch, which is inserted between the

Card 1/2

L 7019-65

ACCESSION NR: AP4045122

frequency stabilized oscillator and the output of an oscillation-period meter. Orig. art. has: 1 figure.

ASSOCIATION: Institut elektroniki i vy*chislitel'noy tekhniki AN Latviyskoy SSR (Institute of Electronics and Computing Technique, AN Latvian SSR)

SUBMITTED: 20Apr63

ATD PRESS: 3108

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

Card 2/2

L 40066-66 EWT(8)/FSS-2/EWT(1)

ACC NR: AT6019742

SOURCE CODE: UR/3192/65/000/011/0081/0086

AUTHOR: Baumgart, V. F.; Menke, M. E.

38
B11

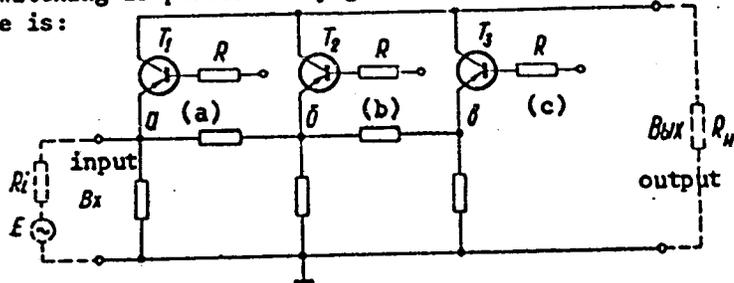
ORG: none

TITLE: Some possibilities for step attenuation of a high frequency signal with the help of constant voltages

SOURCE: Akademiya nauk Latvviyskoy SSR. Institut elektroniki i vychislitel'noy tekhniki. Avtomatika i vychislitel'naya tekhnika, no. 11, 1965, 81-86

TOPIC TAGS: HF component, step attenuator, logic circuit

ABSTRACT: A step attenuator for high frequency signals (100 kc-20 Mc) is described. The switching is performed by germanium alloy transistors. The basic circuit of the device is:



Card 1/2

UDC: 621.317.727.4-2 : 621.396.66

BAUMGARTEN, N. K.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.;
 BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVY, G.A.; BULEV, M.Z.; BURAKOV,
 N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VOEMAN, B.A.; VOSHCHININ, A.P.;
 GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT,
 Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.;
 GOEBACHEV, V.N.; GRZHB, B.V.; GRENKULOV, L.F., kand. s.-kh. nauk;
 GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,
 Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK,
 A.P.; ZENKOVICH, D.K.; ZIMARIN, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;
 KARANOV, I.F.; KNYAZEV, S.N.; KOLMGAYEV, N.M.; KOMAROVSKIY, V.T.;
 KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOPLYARSKIY, D.M.;
 KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.;
 LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSEKOVICH, K.F.; MEL'NICHENKO,
 K.I.; MENDEL'EVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;
 MUSIYVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.;
 OPUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN,
 G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; ROMEZOV, N.P.;
 ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.;
 RYBCHESKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.;
 SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,
 Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA,
 Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;
 TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN,
 N.A.; SHESTOPAL, A.O.; SHKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA,
 I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,
 (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUSHER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATFIROSOV, A.Kh., retsenzent, red.; MENDEL'YEV, D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBERZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTS'EV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASHENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SEMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; RUSSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACH'EV, V.P., red.; MEDVED'EV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER, (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLIHOV, P.N.,
tekhn. red.; GRENKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn.
red.

[Volga-Don; technical account of the construction of the V.I. Lenin
Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center,
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSim-
lianskogo gidrousla i orositel'nykh sooruzhenii, 1949-1952; v piati
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk.
Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-
struction. Specialized operations in hydraulic engineering] Orga-
nizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.

(Continued on next card)

ANDON'YEV, V.I.... (continued) Card 4.

Glav. red. S. I.A. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.

(MIRA 11:9)

1. Russia (1923- . U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-kor-
respondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy
chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin,
Razin).

(Volga Don Canal--Hydraulic engineering)

HUNGARY

ZSEBOK, Zoltan, Dr, PETRANYI, Gyozo, Dr, BAUMGARTNER, Edit, Dr, FACHET, Jozsef, Dr; Departmental Medical-Radiological Research Group of the Academy (chief: ZSEBOK, Zoltan, Dr) (Orvos-Radiologiai Akademiai Tanszeki Kutatocsoport), Budapest.

"Changes in Adrenocortical Function Following Supralethal Whole-Body Irradiation."

Budapest, Orvosi Hetilap, Vol 107, No 32, 7 Aug 66, pages 1496-1499.

Abstract: [Authors' Hungarian summary] The changes in adrenocortical function following supralethal irradiation were studied in rats. The blood corticosterone level, and the in vitro corticosterone and aldosterone secretion by the adrenals was determined at different times following whole body irradiation with 1300 r. It was determined that two phases appear in the adrenocortical hormone secretion; these were more pronounced in the case of corticosterone. Acute corticosterone hypersecretion appeared after irradiation; following its cessation, a renewed increase in corticosterone production developed 48-72 hours later. The two phases were not as pronounced in the case of aldosterone production. The observed changes in secretion were largely supported by the histological findings. In conclusion, the disturbances in salt and water balance are correlated with the changes in adrenocortical function. 4 Hungarian, 34 Western references.

1/1

- 86 -

BAIKAL, JIN...

"Stavební záležitosti. Číslo 1. Praha, Státní nakl. technické literatury.
(Odborné příručky pro stavebnictví) Production of building fittings. 1st ed. Bibl.,
disers., index, plans."

p.130 (1968, Praha, Czechoslovakia)

Monthly Index of EastEuropean Accessions (MIEA), Vol. 7, No. 8, 1968

Baumgartner

CZECHOSLOVAKIA / Virology. Viruses of Men and Animals. E-3

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21755

Author : Zhuffa, Shkoda, Kroshlak, Mikhalek, Baumgartner

Inst :

Title : The Production and Evaluation of Effectiveness of an
Immunizing Serum Against Newcastle Disease in Domestic Fowl.

Orig Pub: Veterin. casop., 1956, 5, No 1, 22-30

Abstract: The avirulent strain N (Hertfordshire) was used to prepare the serum. The antigen was prepared on an allantoic-amniotic liquid of 11 day-old hen embryos. The eggs were opened 48 hours after infection. Hemo-agglutinating titer was 1:256-1:1024, and the infection titer $\sim 10^{-8}$. Hyperimmunization was conducted on Leghorn hens and turkeys. Three virus injections were carried out at intervals of 14 days. The first injection of 0.2 ml in a dilution of $2 \cdot 10^{-3}$; the 2nd, 0.5 ml in a dilution of $5 \cdot 10^{8.5}$; the 3rd, 2 ml of concentrated liquid ($20 \cdot 10^{8.5}$) (in an abbreviated hyperimmunization me-

Card : 1/2

-3-

CZECHOSLOVAKIA / Virology. Viruses of Men and Animals.

E-3

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21755

thod, the first injection was omitted.) 14 days before the last injection, 25 ml of blood for obtaining the serum were collected from each fowl. The evaluation of effectiveness was tested on white Leghorns weighing 300-400 g (without indications of disease and parasitic invasions), which were injected with 10 million DL virus 245-5-6 and simultaneously 0.1-3.0 ml immune serum. All the fowl which received 0.1 ml of serum, died on the 4-6 day after infection; of those which received 0.25 ml, 50% died by the 8th and 10th day. Birds who received 0.5 ml of serum or more remained alive after a short illness.

Card : 2/2

-4-

BAUML, Jan

Rectification of columns of boiler supporting structures on undermined grounds. Inz stavby 11 no.8:295-297 Ag '63.

1. Vyzkumny ustav energetickych zarizeni IBZKG, n.p.

BAUML, V. ; NOVAK, A.

Broken rope on a wincher. p. 247.

Vol. 2, no. 11, May 1953
KRIDLA VLASTI
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

BAUNL, V.

Awaiting the 3d National Glider Contest, p. 228. (Kridla Vlasti, No. 8, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

BAUMRITTER, Rza

Two cases of intestinal obstruction caused by Meckel's
diverticulum. *Pediat. polska* 32 no.2:199-201 Feb 57.

1. Z Kliniki Chirurgii Dzieciecej A.M. w Warszawie Kierownik:
prof. dr. med. J. Kossakowski. Adres: Warszawa, ul. Litewska 16.
(INTESTINAL OBSTRUCTION, in inf. & child
caused by Meckel's diverticulum (Pol))
(MECKEL'S DIVERTICULUM, compl.
intestinal obstruct. in child (Pol))

BAUMRUK, J.

BAUMRUK, J. Experience in using starch mixtures for the production of
cores. p. 338, Vol. 4, no.11, Nov. 1956
SLEVARENSTVI
Praha, Czechoslovakia

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO. 4 APRIL 1957

Baumruk, J.

Baumruk, J. Liquid resins as core binders. p. 57.

Vol. 5, no. 2, Feb. 1957

SLEVARENSTVI

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
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S/690/61/001/000/002/003
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9.7100

AUTHORS: Daube, Ya.Ya., and Baums, A.K.
TITLE: Electronic discrete computer JM-3 (LM-3)
SOURCE: Akademiya nauk Latvyskoy SSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy, v. 1, 1961. Avtomatika i vychislitel'naya tekhnika, no. 1, 99 - 112

TEXT: This is a short description of the first universal discrete computer constructed in the LatSSR, designed at the Computer Laboratory of the Institut elektroniki i vychislitel'noy tekhniki AN LatSSR (Institute of Electronics and Computer Technology, AS Lat SSR). The design was based on that of the M-3 computer developed at NII MEP. The structure of the magnetic drum and the supply of other units and that of the whole computer are stated to be original. Among the basic technical data are the following: Binary system of 30 digits apart from decimal point, memory unit with a capacity of 1024 numbers, 900 electron tubes, 4000 germanium diodes, 10,000 resistances, power used - 8 kW. Space required for install-
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Electronic discrete computer ...

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D234/D301

ing - about 40 m². It is planned to increase the speed of the computer in 1961 by introducing a ferrite memory unit. Representation of numbers and commands is described and a comprehensive list of operations of the computer is given. Separate units (arithmetical unit, memory unit, control unit, input and output units, control and signal desk, supply unit) are described. There are 11 figures and 3 Soviet-bloc references. ✓

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